

Quiz 2.1-2.3 Extension Tomorrow

2.1 Inductive Reasoning

Patterns

Counterexamples

Venn Diagrams

Oct 2-9:01 AM

2.2 Conditionals

If p, then q.

Converse $q \rightarrow p$

Inverse $\sim p \rightarrow \sim q$

Contrapositive $\sim q \rightarrow \sim p$

Biconditional
iff $p \leftrightarrow q$

Oct 2-9:02 AM

Deductive Reasoning

Law of Detachment

If 2 line vert. then they are \cong .
 $\angle 1 + \angle 2$ are vert

Law of Syllogism

If $p \rightarrow q$ & $q \rightarrow r$, then $p \rightarrow r$

Determine if Valid or invalid conclusion

Oct 2-9:05 AM

Truth Tables

Conditional

only False when $T \rightarrow F$

And

only True when BOTH True

Or

only False when BOTH False

Oct 2-9:14 AM